IN THE CLAIMS:

Claim 1 (currently amended): A method [[of]] for compatibilizing polymer components ~~recycling~~ in commingled ~~plastics~~ plastic waste recyclates, ~~containing min.~~ said recyclates comprising at least 30 wt. % of polyolefins, in order to form a tough thermoplastic material, [[the]] said method comprising the steps of:

admixing said commingled plastic waste recyclates with a compatibilization system comprised of ~~compatibilizing polymer components of commingled plastics waste by an admixture of~~ 2-15 wt. % of an ethylene--propylene copolymer (i) or a styrene--butadiene block copolymer (ii) or a combination of an ethylene--propylene copolymer (i) and a styrene--butadiene copolymer (ii) in any weight ratio together, with 0.1-2.5 wt. % N,N'-diaryl-1 A-phenylenediamine or N-alkyl-N'-aryl-1 Aphenylenediamine or reaction product of diphenylamine and acetone or their mixture (iii) to create an admixture; and

melt processing said admixture ~~subsequent melt processing of the mixture~~.

Claim 2 (previously presented): The method of recycling commingled plastics waste containing min. 30 wt. % of polyolefins to a tough thermoplastic material according to claim 1, wherein the ethylene--propylene copolymer (i) is a copolymer with an average molecular weight M.sub.w of 40000-800000, which contains min. 15% and max. 60% of propylene units, the styrene--butadiene block copolymer (ii) is a copolymer with an average molecular weight M.sub.w of 40000-300000, which contains min. 15% and max. 60% of polystyrene blocks with an average molecular weight M.sub.w of polystyrene blocks of min. 6000 and max. 60000.

Claim 3 (currently amended): [[The]] A method ~~of compatibilization of commingled plastics waste containing min. 30 wt. % of polyolefins to tough thermoplastic material~~ according to claim 1, wherein melt processing of said admixture is performed in one of, a batch kneader, a one screw extruder and a two screw extruder ~~the compatibilization is performed by processing the mixture melt in a one-screw or multi-screw extruder or in a batch kneader~~.